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| Collana                 | Lecture Notes in Computer Science, , 1611-3349 ; ; 14711  |
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| Soggetti                | User interfaces (Computer systems)<br>Human-computer interaction<br>Social sciences - Data processing<br>User Interfaces and Human Computer Interaction<br>Computer Application in Social and Behavioral Sciences   |
| Lingua di pubblicazione | Inglese   |
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| Nota di contenuto       | Part 1: Work, Safety, and Ergonomics: Ergonomic Improvement and Simulation Analysis of Armrests for Uncomfortable Working Environments -- Ergonomics for Work-Life Balance: A Content Analysis -- Ergonomic Evaluation of a VTOL Aircraft using RAMSIS -- A Systematic Literature Review of Ergonomics in Transportation Focused on Driver Fatigue and Safety -- A Literature Review of Trends in Personal Protective Equipment -- Improving Construction Safety: The Role of Workplace Stressors and Personality Traits on Near-miss Recognition of Workers -- Navigating the Ergonomic Challenges of Remote Work: A Closer Look at Neck and Lower Back Pain -- Integrating Extended Reality (XR) in a Smart Factory Environment: Systematic Review -- Research on the Risk of Radar Antenna Array Maintenance Operations in Real Working Conditions Based on Intelligent Evaluation Tools -- Trend Analysis of AR-Assisted Assembly |

Visualization Design Based on Bibliometrics -- Research on the Process Efficiency of Metro Security Check-System Under the Perspective of Spatial Guidance. Part 2: Ergonomics, Artificial Intelligence and Smart Technologies: Artificial Intelligence and Transportation – the Emergence of New Technologies and the Related Impacts on the Transportation of People and Packages -- An Outlook for AI Innovation in Multimodal Communication Research -- Empowering Zero-Shot Object Detection: A Human-in-the-Loop Strategy for Unveiling Unseen Realms in Visual Data -- More Than One Gesture but Less Than Two? Inter-stroke Dependencies in Gesture Form and Meaning -- Artificial Intelligence & Mobile Computing: Role of AI in Ergonomics -- A Systematic Review of Collaborative Robot in Ergonomics -- Exercise Recognition and Repetition Counting for Automatic Workout Documentation Using Computer Vision. Part 3: Advanced Technologies for Training and Learning: Evaluating Incentive based 3D Virtual Training for Nasopharyngeal Swab Proficiency -- The Co-Design of Simulation-Based Training for Collaboration between Healthcare Services -- Use of Artificial Intelligence for Training: A Systematic Review -- Annotating Virtual Tai Chi Instruction to Improve Learning Outcomes for Older Adults -- Training Support Method with Loudness Changes in Music -- Design Research on VR System Integrating Task-Based Teaching and Learning for Manual Skills Training in Dental Students.

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Sommario/riassunto

This three-volume set LNCS 14709-14711 constitutes the refereed proceedings of the 15th International Conference on Digital Human Modeling and Applications in Health, Safety, Ergonomics and Risk Management, DHM 2024, held as part of the 26th International Conference, HCI International 2024, in Washington, DC, USA, during June 29 – July 4, 2024. The total of 1271 papers and 309 posters included in the HCI 2024 proceedings was carefully reviewed and selected from 5108 submissions. DHM 2024 method focuses on: Part I: Digital Human Modeling for Design and Evaluation; User Experience and Assistive Technologies; User Experience, Communication, and Collaboration. Part II: Healthcare Design and Support; Technology in Mental Health and Wellbeing; Artificial Intelligence and Health Applications. Part III: Work, Safety, and Ergonomics; Ergonomics, Artificial Intelligence and Smart Technologies, Advanced Technologies for Training and Learning. .

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